

PHILIP MORRIS U.S.A.
RESEARCH CENTER

(to be supplied later as needed)

Keywords

No

Project No. 1705 Book 1

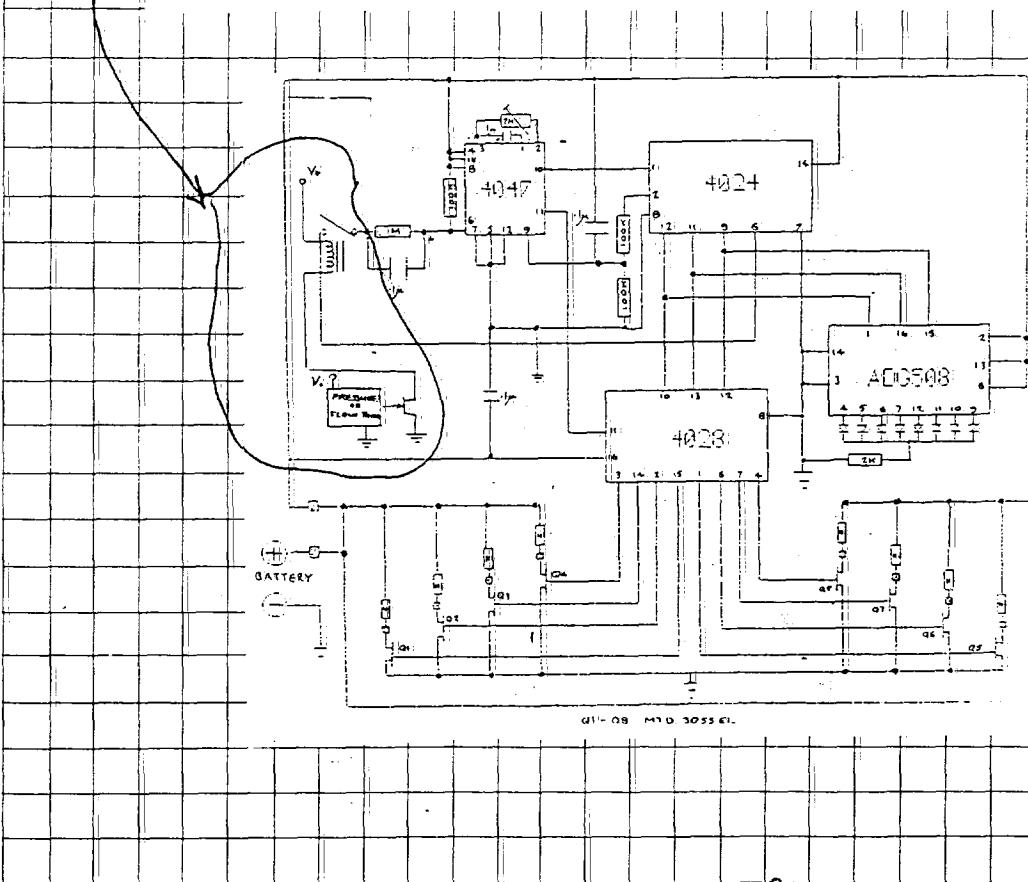
Cross-reference: Book _____ page(s) _____

TESTS OF THE CURRENT LEVEL FLAVOR DOT CONTROL CIRCUIT WITH PUFF ACTUATION:
VIA A PRESSURE SENSOR OR A HOTWIRE ANEMOMETER FLOW SENSOR.

The components used in the test were as follows:

- 1-Current level flavor dot electronic control circuit with automatic sequencing.
- 1-Micro Switch Model 163PC01D36 pressure sensor with a range of -5" of water.
- 1-TSI Model# 8450-52E-V hotwire anemometer.
- 1-Battery pack of 4 N-50AAA NICAD batteries manufactured by Sanyo.
- 1-Heater array with substrate.

It was demonstrated by this test that the Beta Article, either Flavor Dot or Pulsed Bed version can be actuate by the consumer puffing as opposed to having to push a button. The application of the pressure and flow transducers was accomplished simply by replacing the pushbutton (see diagram). As a heater is activated via the pressure or flow transducer, through the electronic circuit, powered by batteries, aerosol was produced and inhaled. The lag imposed by the response time of the instruments and heater (heat up time) was considered to be acceptable.



2020051269

Others present who
observed or performed
any of the work are:

Above entries by Wynn (Signature)
on 11-1-87 (Date)

This record read and understood by James Morgan

on 1/24/90

PHILIP MORRIS U.S.A.
RESEARCH CENTER

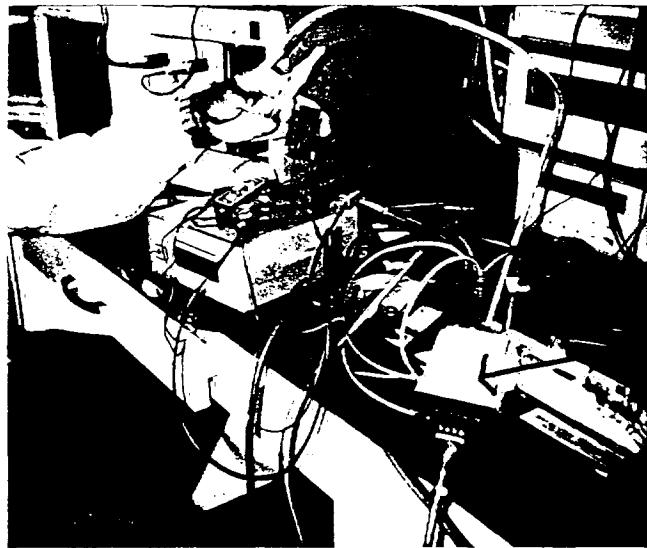
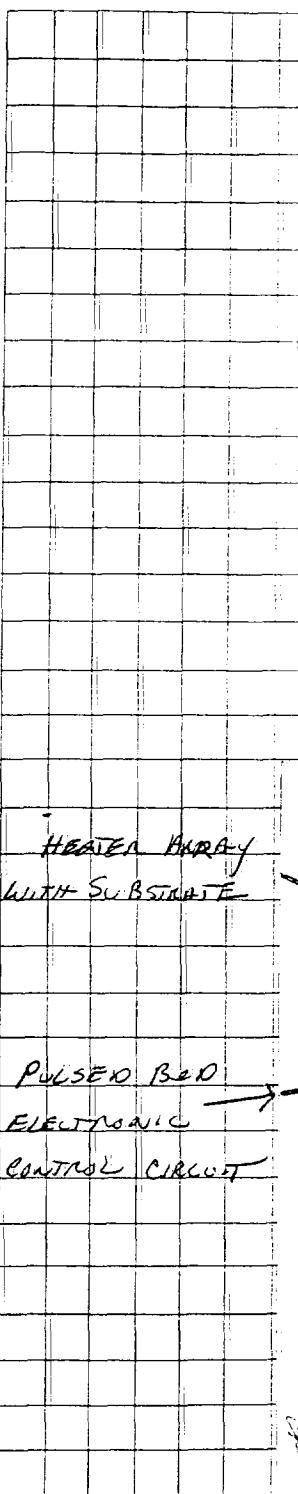
(to be supplied later as needed)

Keywords

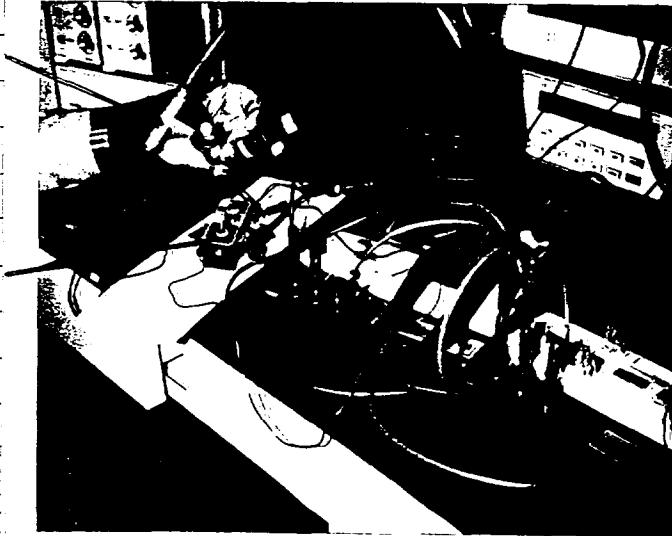
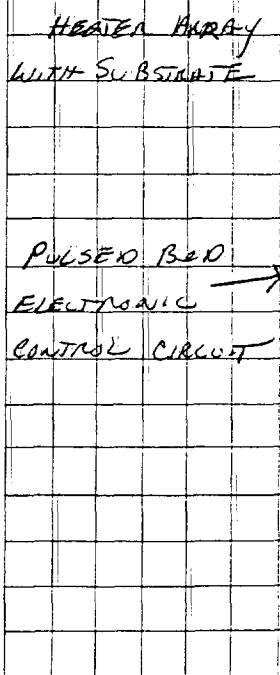
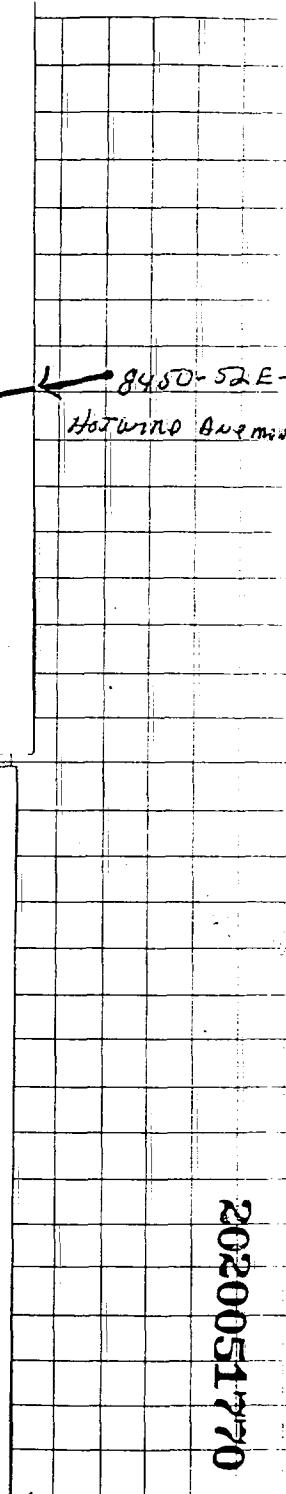
No. 71

Project No. 1705 Book 1

Cross-reference: Book _____ page(s) _____



Ashtray device with
the lighter batteries.



Ashtray device with
pulses system with batteries

2020051270

Others present who
observed or performed
any of the work are:

This record read and understood by:

Above entries by W. J. Murphy on 11-1-89

(Signature)

Carlo Mazzoni

on 1/24/90

PHILIP MORRIS U.S.A.

RESEARCH CENTER

(to be supplied later as needed)

Keywords

No. 7

Project No. 1705 Book 1

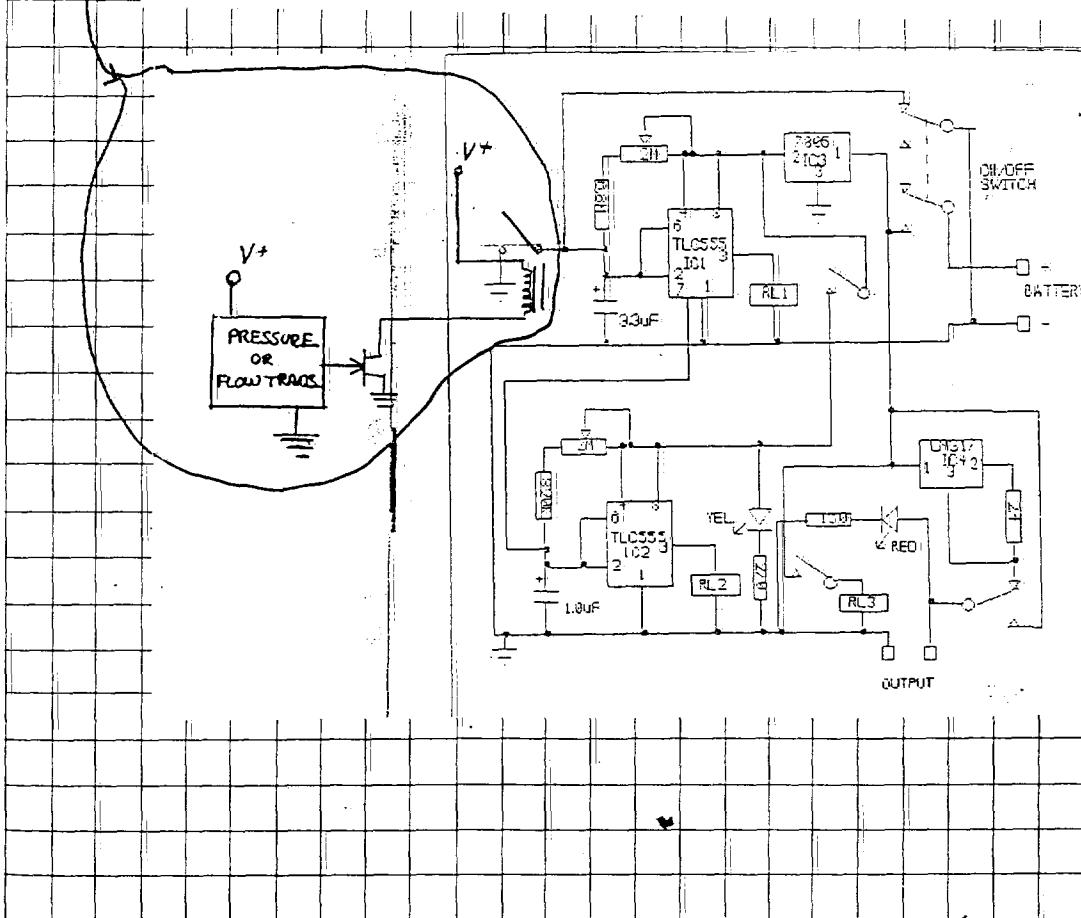
Cross-reference: Book _____ page(s) _____

TEST OF THE CURRENT LEVEL PULSED BED CONTROL CIRCUIT WITH PUFF ACTUATION VIA A PRESSURE SENSOR OR A HOTWIRE ANEMOMETER FLOW SENSOR.

The components used in the test were as follows:

- 1-Current level pulsed bed electronic control circuit.
- 1-Micro Switch Model 163PC01D36 pressure sensor with a range of -5" of water.
- 1-TSI Model# 8450-52E-V hotwire anemometer.
- 1-Battery pack of 4 N-50AAA NICAD batteries manufactured by Sanyo.
- 1-Heater array with substrate.

It was demonstrated by this test that the Beta Article, either Flavor Dot or Pulsed Bed version can be actuate by the consumer puffing as opposed to having to push a button. The application of the pressure and flow transducers was accomplished simply by replacing the pushbutton (see diagram). As a heater is activated via the pressure or flow transducer, through the electronic circuit, powered by batteries, aerosol was produced and inhaled. The lag imposed by the response time of the instruments and heater (heat up time) was considered acceptable.



Others present who observed or performed any of the work are:

Above entries by Philip Morris (Signature) on 11-1-89 (Date)

This record read and understood by Philip Morris

on 1/24/90

PHILIP MORRIS U.S.A.

RESEARCH CENTER

(to be supplied later as needed)

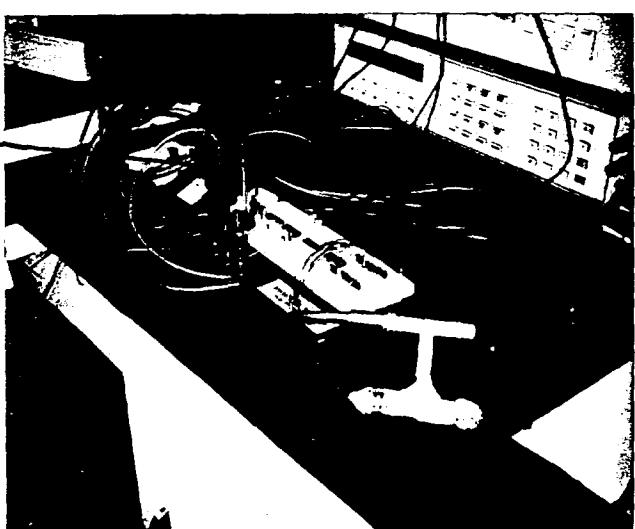
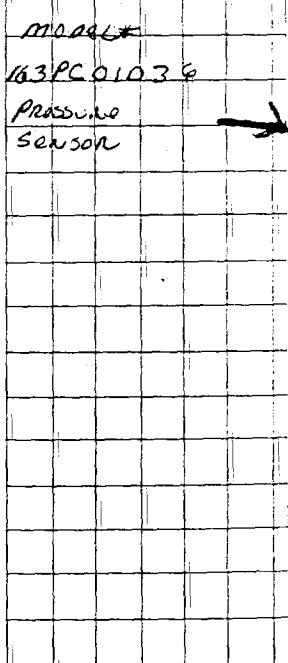
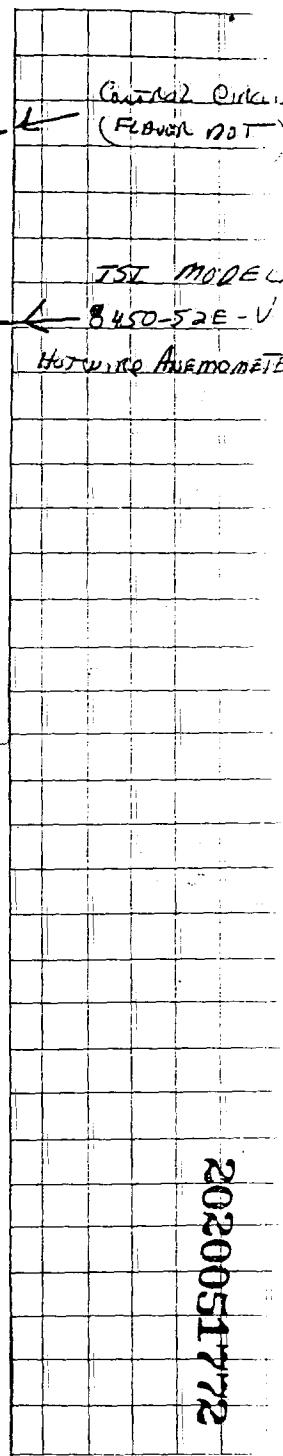
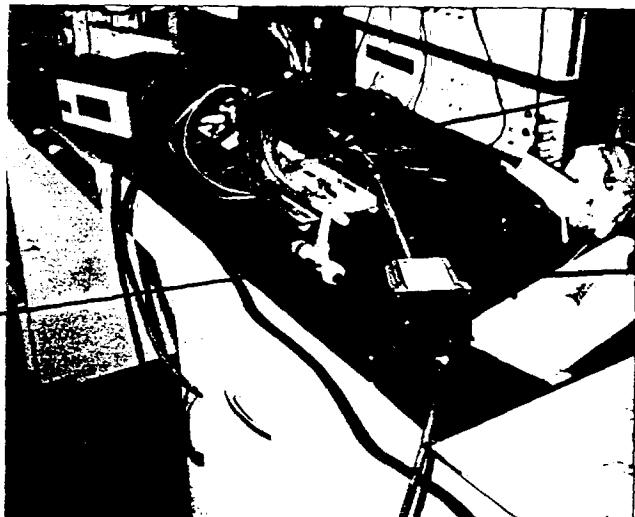
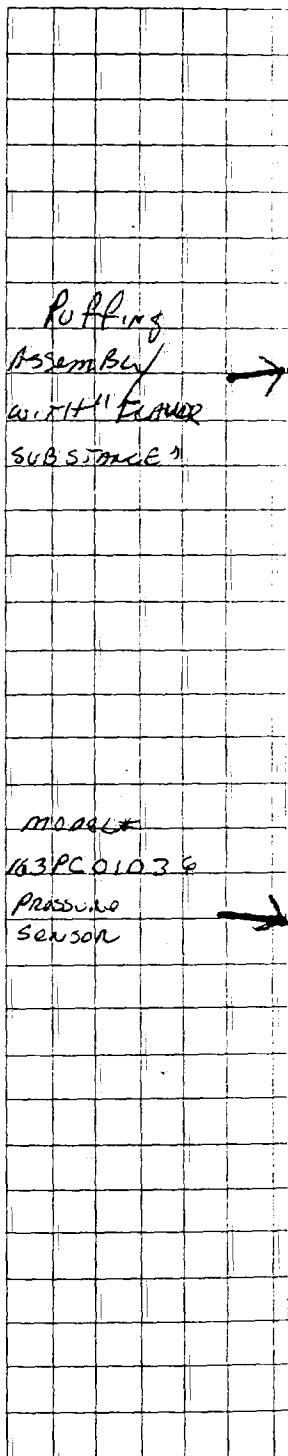
Keywords

No

7

Project No. 1705 Book /

Cross-reference: Book _____ page(s) _____



Others present who
observed or performed
any of the work are:

Above entries by Alphonse (Signature)

on 11-1-99 (Date)

Conrad M. M. (Signature)